Worksheet 2018: TempVar:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | target |
| A | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | DWV |
| B | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | DWV |
| C | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | BQCV |
| D | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | BQCV |
| E | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | ACT |
| F | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | ACT |
| G | gblock | P1 | P2 | P3 | N1 | N2 | N3 | 90 | gblock | 90 | gblock | 90 |  |
| H | NTC | P1 | P2 | P3 | N1 | N2 | N3 | 90 | NTC | 90 | NTC | 90 |  |
|  | DWV | DWV | DWV | DWV | DWV | DWV | DWV | DWV | BQCV | BQCV | ACT | ACT |  |

BQCV, ACTIN

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **31** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **45.725** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **155** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **6.2** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **6.2** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 3.875 | **3.1** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |

DWV

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Stock** | **Final konc** | **20 µl** | **10 µl** |  | **43** | **\* 80%** |
| **H2O** |  |  |  | 1.475 |  | **63.425** |  |
| **iTaq Universal SYBR Green mix** | 2x | 1x |  | 5 |  | **215** |  |
| **Primer 1** | 10 μM | 0.2 μM |  | 0.2 |  | **8.6** |  |
| **Primer 2** | 10 μM | 0.2 μM |  | 0.2 |  | **8.6** |  |
| **iScript reverse transcriptase** |  | 1x |  | 0.125 |  | 5.375 | **4.3** |
| **Template RNA** |  |  |  | 3 |  | **3** |  |
|  |  |  |  |  |  |  |  |